EAST Search History

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
S80	1	"20020143602".pn.	US-PGPUB; USPAT	OR	ON	2006/05/18 07:01
S1	2436	project adj (manage$ plan planning estimat$ progress status analysis assesment)	US-PGPUB; USPAT	OR	ON	2006/05/18 07:01
S81	0	("2002/0143602").URPN.	USPAT	OR	ON	2006/05/18 07:02
S87	0	((requirement$4 or specification$4 or document) near3 (stabil$4 or instabil$4 or volatil$4 or uncertain$3 or rework$4) same (metric or measure)).ti.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/05/18 07:04
S86	2	((requirement$4 or specification$4 or document) near3 (stabil$4 or instabil$4 or volatil$4 or uncertain$3 or rework$4) same (metric or measure)).clm.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/05/18 07:04
S85	3	(chappel and oscar).in.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/05/18 07:04
S84	1	(chris and creel).in.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/05/18 07:04
S83	94	(perot).as.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/05/18 07:04
S88	8	((requirement$4 or specification$4 or document) near3 (stabil$4 or instabil$4 or volatil$4 or uncertain$3 or rework$4) same (metric or measure)).ab.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/05/18 07:05
S89	1	S83 and S82	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/05/18 07:06
S94	4	S82 and S90	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/05/18 07:07

EAST Search History

SCAN	S93	2	S82 and S92	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/05/18 07:07
INTELLIGENCE SEARCH	S92	2054	705/10.ccls.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/05/18 07:07
SCAN	S91	4	S90 and S82	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/05/18 07:07
—	S90	3915	requirement near2 (engineering or management)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/05/18 07:07
✓	S95	0	("2003/0101089").URPN.	USPAT	OR	ON	2006/05/18 07:08
	S82	198	(requirement$4 or specification$4 or document) near3 (stabil$4 or instabil$4 or volatil$4 or uncertain$3 or rework$4) same (metric or measure)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/05/18 07:13
SCAN	S96	1	S82 and (project adj management)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/05/18 08:52
—	L3	3915	requirement near2 (engineering or management)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/05/18 08:53
SCAN	L2	115	l1 and "705"/.ccls.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/05/18 08:53
✓	L1	1636	((document specification) near2 (evaluat$4 anal$5)) same (metric measure progress status stabil$4 instabil$4 volatil$4 rework$4 chang$3 evol$5)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/05/18 08:53

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SCAN	L5	49	l1 and (project adj management)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/05/18 08:54
	L4	33	l1 and L3	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/05/18 08:54
	L6	28	("5072379" | "5446895" | "5524077" | "5526516" | "5655074" | "5680557" | "5729746" | "5778397" | "5799304" | "5832532" | "5835087" | "5864480" | "5880959" | "5892951" | "5903453" | "5911134" | "5918207" | "5960407" | "6008817" | "6044354" | "6070143" | "6115691" | "6131091" | "6134563" | "6212494" | "6289255" | "6349316").PN. OR ("6715130").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/05/18 08:58
	L8	104	l7 and l1	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/05/18 09:01
	L7	17467	(node tree leaf leaves branch) near3 (measure metric analy$4)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/05/18 09:01
	S52	21911	(document artifact deliverable specification) near3 (metrics values statistics stats)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/05/18 09:06
	L13	2267	((document artifact deliverable specification) near3 (metrics values statistics stats)).clm.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/05/18 09:07
	L11	3715	project adj (manage$ plan planning estimat$ progress status analysis assesment)	US-PGPUB; USPAT	OR	ON	2006/05/18 09:07
SCAN	L10	68	(l1 l3) and l9	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/05/18 09:07

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SCAN	L9	244	(document artifact deliverable specification) near3 (metrics values statistics stats) and (requirement adj (spec or document or specification))	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/05/18 09:07
	L12	36	l9 and L11	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/05/18 09:08
	L14	11	("5655074" | "5729746" | "5903453" | "6128773" | "6219805" | "6516337" | "6550053" | "6651244" | "6658643" | "6662357" | "6851107").PN. OR ("7003766"). URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/05/18 09:09
	L15	0	("2006/0095841").URPN.	USPAT	OR	ON	2006/05/18 09:14

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Thu, 18 May 2006, 8:36:21 AM EST

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#6 ((requirement and metrics<in>metadata)) <and> (pyr >= 1950 <and> pyr <= 2000)

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☆ Requirement Metrics An initial literature survey on measurement ... - 8:24am
www.iese.fraunhofer.de/pdf_files/iese-096_03.pdf

☆ Ron S. Kenett, Ph.D. - 8:22am
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nidumolu requirements uncertainty

☆ ASWEC 2000: Requirements-Uncertainty: Should It Be a Latent ... - 8:14am
doi.ieeecomputersociety.org/-10.1109/ASWEC.2000.844575

nurmuliani zowghi

☆ A Study of the Impact of Requirements Volatility on Software ... - 8:09am
portal.acm.org/citation.cfm?id=785813&dl=ACM&co...

"Zowghi" "Investigating Requirements Volatility"

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cordes requirements document evaluation, kennett ieee 1996, kennett ieee, software specification metrics, kennett software specification metrics, "Costello" "Metrics * requirements engineering", myers software requirements george mason, myers software requirements, nurmuliani zowghi requirements volatility, investigating requirements volatility during software developmen ..., investigating requirements volatility during software developmen ...

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15.	co(perot systems) and (project w/2 management) *Database*: Multiple databases... *Look for terms in*: Citation and abstract *Publication type*: All publication types	35 results	Add to Search Set Up Alert
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12.	au(Malaiya) *Database*: Multiple databases... *Look for terms in*: Citation and abstract *Publication type*: All publication types	5 results	Add to Search Set Up Alert
11.	Requirements volatility defect density *Database*: Multiple databases... *Look for terms in*: Citation and abstract *Publication type*: All publication types	0 result	Add to Search Set Up Alert
10.	((LSU({SOFTWARE}) OR LSU({SOFTWARE & COMPUTER SERVICES, SOFTWARE}) OR LSU({COMPUTER SOFTWARE})) AND LSU ({REQUIREMENTS})) and (stabil* or volatil* or uncertain*) *Database*: Multiple databases... *Look for terms in*: Citation and abstract *Publication type*: All publication types	3 results	Add to Search Set Up Alert
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8.	SUB(requirements engineering) *Database*: Multiple databases... *Look for terms in*: Citation and abstract *Publication type*: All publication types	0 result	Add to Search Set Up Alert
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4.	(au(sherif) and requirements) AND PDN(<1/1/2001) *Database*: Multiple databases... *Look for terms in*: Citation and abstract *Publication type*: All publication types	9 results	Add to Search Set Up Alert
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16. au(cordes) and "An Evaluation Methodology for User Requirements Documents" — 0 result — Add to Search — Set Up Alert
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5/10/06

THOMSON

DIALOG

Table of Contents

Requirements volatility and defect density.

Accession number & update
0006431184 20051201.
Conference information
Proceedings 10th International Symposium on Software Reliability Engineering, Boca Raton, FL, USA, 1–4 Nov. 1999.
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Source
Proceedings 10th International Symposium on Software Reliability Engineering (Cat. No.PR00443), 1999, p. 285–94, 16 refs, pp. xii+304, ISBN: 0–7695–0443–4. Publisher: IEEE Comput. Soc, Los Alamitos, CA, USA.
Author(s)
Malaiya–Y–K, Denton–J.
Author affiliation
Malaiya, Y.K., Denton, J., Dept. of Comput. Sci., Colorado State Univ., Fort Collins, CO, USA.
Abstract
Ideally the **requirements** for a software system should be completely and unambiguously determined before design, coding and testing rake place. In practice, often there are changes in the **requirements,** causing software components to be redesigned, deleted or added. This **requirements volatility** causes the software to have a higher defect density. In this paper we analytically examine the influence of **requirement** changes taking place during different times by examining the consequences of software additions, removals and modifications. We take into account interface defects which arise due to errors at the interfaces among software sections. We compare the resulting defect density in the presence of **requirement volatility,** with the defect density that would have resulted had **requirements** not changed. The results show that if the **requirement** changes take place close to the release date, there is a greater impact on defect density. In each case we compute the defect equivalence factor representing the overall impact of **requirement volatility.**
Descriptors
FORMAL–SPECIFICATION; SOFTWARE–RELIABILITY.
Classification codes
C6110B Software–engineering–techniques*;
C6110F Formal–methods.
Keywords
requirements; software–system; **requirements–**volatility; defect–density; interface–defects; defect–equivalence–factor.
Treatment codes
T Theoretical–or–mathematical.
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English.
Publication type
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Availability
CCCC: 0 7695 0443 4/99/$10.00.
Digital object identifier
10.1109/ISSRE.1999.809334.
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Characterizing stability in evolving frameworks.

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Proceedings of TOOLS Europe '99: Technology of Object Oriented Languages and Systems. 29th International Conference, Nancy, France, 7-10 June 1999.
Sponsor(s): Interactive Software Eng.

Source
Proceedings Technology of Object-Oriented Languages and Systems. TOOLS 29 (Cat. No.PR00275), 1999, p. 118-30, 15 refs, pp. xii+425, ISBN: 0-7695-0275-X. Publisher: IEEE Comput. Soc, Los Alamitos, CA, USA.

Author(s)
Mattsson-M, Bosch-J. Editor(s): Mitchell-R, Wills-A-C, Bosch-J, Meyer-B.

Author affiliation
Mattsson, M., Bosch, J., Dept. of Software Eng. & Comput. Sci., Karlskrona Univ., Ronnerby, Sweden.

Abstract
Object-oriented application frameworks present one of the most successful approaches to developing reusable assets in industry, but developing frameworks is both difficult and expensive. Frameworks generally evolve through a number of iterations due to the incorporation of new **requirements** and better domain understanding. Since changes to frameworks have a large impact on the applications build based on the asset, it is important to assess the **stability** of a framework. Recently, an approach for assessing framework **stability** has been proposed. We have extended and applied the assessment approach on one proprietary telecommunication framework and two commercial GUI application frameworks. Based on our findings we formulate a set of hypotheses, which characterize the **stability** of an object-oriented application framework. We believe these hypotheses to be the most promising ones for further studies of framework **stability.**

Descriptors
GRAPHICAL-USER-INTERFACES; OBJECT-ORIENTED-METHODS; OBJECT-ORIENTED-PROGRAMMING; SOFTWARE-REUSABILITY; **STABILITY;** TELECOMMUNICATION-COMPUTING.

Classification codes
C6110J Object-oriented-programming*;
C6110F Formal-methods;
C6110B Software-engineering-techniques;
C7410F Communications-computing;
C6180G Graphical-user-interfaces.

Keywords
object-oriented-application-frameworks; reusable-assets; evolving-frameworks; iterations; **new-**requirements; domain-understanding; **stability-**assessment; proprietary-telecommunication-framework; commercial-GUI-application-frameworks; hypotheses.

Treatment codes
P Practical.

Language
English.

Publication type
Conference-proceedings.

Availability
CCCC: 0 7695 0275 X/99/$10.00.

Digital object identifier
10.1109/TOOLS.1999.779005.

Publication year
1999.
Publication date
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Edition
1999031.

A case study in the use of theory revision in requirements validation.

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Conference information
Proceedings of Machine Learning (ICML-98), Madison, WI, USA, 24-27 July 1998.
Source
Machine Learning. Proceedings of the Fifteenth International Conference (ICML'98), 1998, p. 368-76, 21 refs, pp. x+580. Publisher: Morgan Kaufmann Publishers, San Francisco, CA, USA.
Author(s)
McCluskey-T-L, West-M-M. Editor(s): Shavlik-J.
Author affiliation
McCluskey, T.L., West, M.M., Sch. of Comput. & Math., Huddersfield Polytech., UK.
Abstract
Research emanating from artificial intelligence has throughout its history contributed to techniques and ideas in software engineering. We describe a case study showing the use of theory **revision** to the refinement of a formally specified **requirements** model. In a previous project we were contracted to create a precise model of the complex criteria governing the separation of aircraft profiles in Atlantic Airspace. During that work it became clear that the (automated) validation of the model was of the utmost importance, and in our current project we have used machine learning tools to provide extra support in bug identification, bug removal and maintenance of such a **requirements** model. We give an overview of the domain, identify a relevant learning bias which makes search for **revisions** tractable, and describe a systematic approach for the application of theory **revision** to such a model. We illustrate the approach with results of experiments where theory **revision** techniques have identified and removed errors, and induced a new part of the model.
Descriptors
COMPUTATIONAL-COMPLEXITY; FORMAL-SPECIFICATION; LEARNING-ARTIFICIAL-INTELLIGENCE; PROGRAM-VERIFICATION.
Classification codes
C6110F Formal-methods*;
C6150G Diagnostic-testing-debugging-and-evaluating-systems;
C4240C Computational-complexity;
C6170K Knowledge-engineering-techniques.
Keywords
theory-revision; **requirements-**validation; artificial-intelligence; software-engineering; **formally-**specified-requirements-model; Atlantic-Airspace; automated-validation; machine-learning-tools; bug-identification; bug-removal; maintenance; **requirements-**model; learning-bias; systematic-approach.
Treatment codes
P Practical.
Language
English.

Publication type
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Publication year
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Publication date
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Edition
1999026.

A logical framework for modeling and reasoning about the evolution of requirements.

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Conference information
Proceedings of ISRE '97: 3rd IEEE International Symposium on **Requirements** Engineering, Annapolis, MD, USA, 6-10 Jan. 1997.
Sponsor(s): IEEE Comput Soc. Tech. Council on Software Eng; ACM SIGSOFT; IFIP Working Group 2.9.
Source
Proceedings of the Third IEEE International Symposium on **Requirements** Engineering (Cat. No.97TB100086), 1997, p. 247-57, 30 refs, pp. xv +267, ISBN: 0-8186-7740-6. Publisher: IEEE Comput. Soc. Press, Los Alamitos, CA, USA.
Author(s)
Zowghi-D, Offen-R.
Author affiliation
Zowghi, D., Offen, R., Joint Res. Centre for Adv. Syst. Eng., Macquarie Univ., North Ryde, NSW, Australia.
Abstract
We present a logical framework for modeling and reasoning about the evolution of **requirements.** We demonstrate how a sufficiently rich meta level logic can formally capture intuitive aspects of managing changes to **requirements** models, while maintaining completeness and consistency. We consider a theory as the deductive closure of a given set of axioms and conclude that software engineering is concerned, in essence, with, building and managing large theories. This theory construction commences with the development of the **requirements** model which we view as a theory of some nonmonotonic logic. **Requirements** evolution then involves the mapping of one such theory to another. Exploiting the deductive power of the theory of belief **revision** and nonmonotonic reasoning we develop a formal description of this mapping, as well as the **requirements** engineering process itself. This work thus offers a rigorous approach to reasoning about **requirements** evolution and a important focus for defining semantically well founded methods and tools for the effective management of changing **requirements.**
Descriptors
BELIEF-MAINTENANCE; FORMAL-LOGIC; FORMAL-SPECIFICATION; NONMONOTONIC-REASONING.
Classification codes
C6110F Formal-methods*;
C6170K Knowledge-engineering-techniques;
C4210 Formal-logic.
Keywords
logical-framework; **requirements-**evolution; meta-level-logic; intuitive-aspects; deductive-closure; software-engineering; large-theories; theory-construction; **requirements-**model; nonmonotonic-logic; **belief-**revision; nonmonotonic-reasoning; formal-description;

requirements-engineering-process; semantically-well-founded-methods; **changing**-requirements-management.

Treatment codes
P Practical.

Language
English.

Publication type
Conference-proceedings.

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Publication date
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Edition
1997006.

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Copyright 1997 IEE.

Strategies for managing requirements creep.

Dialog eLinks

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0005304502 20051201.

Source
Computer, {Computer-USA}, June 1996, vol. 29, no. 6, p. 92-4, 0 refs, CODEN: CPTRB4, ISSN: 0018-9162. Publisher: IEEE Comput. Soc, USA.

Author(s)
Jones-C.

Abstract
One of the most chronic problems in software development is the fact that application **requirements** are almost never stable and fixed. Frequent changes in **requirements** are not always caused by capricious clients (although sometimes they are). The root cause of **requirements**

unknown
> **volatility** is that many applications are attempting to automate domains that are only partly understood. As software design and development proceeds, the process of automation begins to expose these ill-defined situations. Therefore, although creeping **requirements** are troublesome, they are often a technical necessity. Several threads of research and some emerging technologies are aimed at either clarifying **requirements** earlier in development or minimizing the disruptive effect of changing **requirements** later.

Descriptors
SOFTWARE-DEVELOPMENT-MANAGEMENT; SYSTEMS-ANALYSIS.

Classification codes
C0310F Software-development-management*;
C6110 Systems-analysis-and-programming.

Keywords

requirements–creep; software–development; **application**–requirements–changes; **requirements**–volatility; partly–understood–domains; software–design; automation; ill–defined–situations; disruptive–effect; **requirements**–clarification; management–strategies.

Treatment codes
P Practical.

Language
English.

Publication type
Journal–paper.

Availability
SICI: 0018–9162(199606)29:6L.92:SMRC; 1–J.
CCCC: 0018–9162/96/$5.00.

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1996026.

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Change analysis: a step towards meeting the challenge of changing requirements.

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0005226424 20051201.

Conference information
Proceedings IEEE Symposium and Workshop on Engineering of Computer–Based Systems, Friedrichshafen, Germany, 11–15 March 1996.
Sponsor(s): IEEE Comput. Soc. Tech. Committee on Eng. of Comput.–Based Syst; Deutsche Forschungsgemeinschaft, DFG; Eur. Software Process Improvement Training Initiative, ESPITI; Gesellschaft fur Inform., GI e.V; Land Baden–Wurttemberg; Univ. (TH) Karlbruhe.

Source
Proceedings IEEE Symposium and Workshop on Engineering of Computer– Based Systems (Cat. No.96TB100022), 1996, p. 278–83, 10 refs, pp. xi +465, ISBN: 0–8186–7355–9. Publisher: IEEE Comput. Soc. Press, Los Alamitos, CA, USA.

Author(s)
Strens–M–R, Sugden–R–C.

Author affiliation
Strens, M.R., Sugden, R.C., Centre for Software Reliability, Newcastle upon Tyne Univ., UK.

Abstract
Changing **requirements** are a major source of risk to software development projects, but are generally not included in hazard identification and risk assessment procedures at present because the information needed is not collected or recorded by current **requirements** methods. It is proposed that change analysis should be an integral part of the entire development process so that change can be handled in a better–informed way with the associated risks being made apparent. Sensitivity analysis is proposed as the principal means of predicting two categories of hazard: which **requirements** are unstable and which design areas are most susceptible to changes in **requirements.** Impact analysis supports the decision–making process concerning the implementation of changes, and is also used to predict the impact of potential change for the assessment of risk. The paper considers what information is needed to

enable sensitivity and impact analysis to provide an effective means of change analysis and what methods provide such information, emphasising the importance of traceability and the capture of design rationale. Because the potential for change would be made apparent early in the lifecycle the outcome should be a substantial contribution towards the goal of minimising the adverse impact of changing **requirements** on the project objectives.

Descriptors

MANAGEMENT-OF-CHANGE; PROJECT-MANAGEMENT; RISK-MANAGEMENT; SENSITIVITY-ANALYSIS; SOFTWARE-DEVELOPMENT-MANAGEMENT; SYSTEMS-ANALYSIS.

Classification codes

C0310F Software-development-management*;
C6110 Systems-analysis-and-programming.

Keywords

change-analysis; **changing-**requirements; software-development-projects; hazard-identification; risk-assessment; sensitivity-analysis; **requirement-**instability; design-areas; impact-analysis; decision-making-process; traceability; design-rationale-capture.

Treatment codes

G General-or-review.

Language

English.

Publication type

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Edition

1996012.

Requirements and traceability management.

Accession number & update

0004107192 20051201.

Conference information

Software for Guidance and Control (AGARD-CP-503), Thessaloniki, Greece, 7-10 May 1991.

Source

Software for Guidance and Control (AGARD-CP-503), 1991, p. 4/1-5, 2 refs, pp. vii+248. Publisher: AGARD, Neuilly sur Seine, France.

Author(s)

Cross-G-M.

Author affiliation

Cross, G.M., Marconi Underwater Syst. Ltd., Weybridge.

Abstract

A discussion is given of the contribution of **requirements** traceability to the system development process in risk reduction and **rework** avoidance and the impact on all phases of project development from

requirements capture through to customer acceptance and subsequent maintenance. By update of the traditional lifecycle model, the author shows how the RTM (**requirements** and traceability management) product builds a system development environment addressing these issues and improving the benefits to users of many of today's leading CASE tools by more effective integration, with a total lifecycle coverage.

Descriptors

PROGRAMMING-ENVIRONMENTS; SOFTWARE-TOOLS; SYSTEMS-ANALYSIS.

Classification codes

C6110 Systems-analysis-and-programming*;
C0310F Software-development-management;
C6115 Programming-support.

Keywords

requirements-traceability; system-development-process; risk-reduction; **rework**-avoidance; project-development; **requirements**-capture; customer-acceptance; traditional-lifecycle-model; system-development-environment; CASE-tools; total-lifecycle-coverage.

Treatment codes

P Practical.

Language

English.

Publication type

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Publication year

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Publication date

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Edition

1992015.

Supporting document development with Concordia.

Accession number & update

0003129372 20051201.

Conference information

Proceedings of the Twenty-First Annual Hawaii International Conference on System Sciences. Vol.II. Software Track (Cat. No.88TH0212-1), Kailua-Kona, HI, USA, 5-8 Jan. 1988.
Sponsor(s): Univ. Hawaii; ACM; IEEE; Pacific Res. Inst. Inf. Syst. & Manage.

Source

Proceedings of the Twenty-First Annual Hawaii International Conference on System Sciences. Vol.II. Software Track (Cat. No.88TH0212-1), 1988, p. 355-64, 9 refs, pp. xvi+806, ISBN: 0-8186-0842-0.
Publisher: IEEE Comput. Soc. Press, Washington, DC, USA.

Author(s)

Walker-J-H. Editor(s): Shriver-B-D.

Author affiliation

Walker, J.H., Symbolics Inc., Cambridge, MA, USA.

Abstract

A description is given of Concordia, the development environment used by technical writers at Symbolics, Inc. Concordia integrates the facilities needed to create, **revise,** publish, distribute, and maintain very large **document** sets. The **document** sources are maintained using a semblance editor that combines some of the user interface convenience of a `what you see is what you get' (WYSIWYG) editor with the

expressive power of a generic markup language. The editor provides the means for independently manipulating the structure, content, and appearance of a **document.**

Descriptors

DATABASE–MANAGEMENT–SYSTEMS; ELECTRONIC–PUBLISHING; SYSTEM–DOCUMENTATION; USER–INTERFACES.

Classification codes

C6160Z Other–DBMS*;
C7230 Publishing–and–reproduction.

Keywords

electronic–publishing; software–development–environment–extension; **document**–development; Concordia; development–environment; technical–writers; Symbolics; **large**–document–sets; semblance–editor; user–interface; WYSIWYG; generic–markup–language.

Treatment codes

P Practical.

Language

English.

Publication type

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Edition

1988011.

Search Strategy

No.	Database	Search term	Info added since	Results
1	INZZ	requirement	unrestricted	58538
2	INZZ	requirement ADJ management	unrestricted	61
3	INZZ	2	unrestricted	61
4	INZZ	SYSTEMS-ANALYSIS#.DE. OR FORMAL-SPECIFICATION#.DE. OR SOFTWARE-DEVELOPMENT-MANAGEMENT#.DE. OR FORMAL-VERIFICATION#.DE. OR SOFTWARE-ENGINEERING#.DE. OR SOFTWARE-PROCESS-IMPROVEMENT#.DE. OR SOFTWARE-METRICS#.DE. OR PROJECT-MANAGEMENT#.DE. OR SOFTWARE-MANAGEMENT#.DE. OR SYSTEMS-ENGINEERING#.DE.	unrestricted	170310
5	INZZ	(requirement$2 OR document) ADJ near3 ADJ (metric OR metrics) AND (stabil$3 OR instabil$3 OR volatil$3 OR rework OR revis$4)	unrestricted	0
6	INZZ	(requirement$2 OR document) NEAR (metric OR metrics) AND (stabil$3 OR instabil$3 OR volatil$3 OR rework OR revis$4)	unrestricted	10
7	INZZ	(requirement$ OR document OR specification) AND (metric OR metrics) AND (stabil$ OR instabil$ OR volatil$ OR rework OR revis$)	unrestricted	28
8	INZZ	cc=C6110S	unrestricted	0
9	INZZ	software ADJ metrics	unrestricted	4823
10	INZZ	SOFTWARE-METRICS#.DE.	unrestricted	4380
11	INZZ	(requirement$2 OR document) SAME (stabil$3 OR instabil$3 OR volatil$3 OR rework OR revis$4)	unrestricted	11869
12	INZZ	(requirement$2 OR document) SAME (stabil$3 OR instabil$3 OR volatil$3 OR rework OR revis$4)	unrestricted	11869
13	INZZ	12 AND 4	unrestricted	454

Search Strategy

14	**INZZ**	**limit set 13 YEAR < 2000**	**unrestricted**	**258**